

235; of rainbow bricks, 345; roofs, form of, 344; windows, 350.
Houses: construction of, to prevent fires, 241, 292; lodging, in Chelsea, 106; model, 49, 94, 250; for poor, 281,—for very poor, 10; poor men's and public conveniences, 461: see also "Cottages" and "Dwellings".
Houses, skyline of, in London, 224.
Hullab, Professor's, music-hall, Long-acre, 71.
Hyde-Park obstructive to public accommodation, 380: see also "Parks".
Hydraulic power, 224.

INDIA, architecture of, 14, 98.
Inigo Jones, memoir of, reviewed, 13.
Institute of Architects: see under "Architects".
Interment Bill for London city, 262: see also "Metropolitan".
International Exhibition, 10, 20, 33, 45, 52, 81, 92, 106, 214; a commemorative column for, 620; a few words at Kensington on, 140, 232; art and science at Mansion-house, during, 574; book on, reviewed, 548; building, 45, 82, 117, 125, 152,—plans, 178, 265, 308; building committee, doings of, 241, 277, 298, 337; building competition, 313, 337,—contracts, 337; building of glass and iron, 358, 370, 403, 523,—description of, 421, 496,—glass for, 536,—paper on, 544,—caution as to, 553,—decoration of, 553, 580, 604, 613,—drainage of, 442; carpets for, 478, 490; clays for, 490; commissions, local, 581; decorators and designers at, 483; Institute report on, 230; Manchester designers and, 489; metropolitan committees for, 569; movement as to, 241; notes on, 512; opening art-works during, 188; prizes and medals, 562,—153, 297, 309, 333, 337; progress of, 472; protection of inventions at, 166, 188, 441, 465; poor inventors and, 507,—see also "Patent Law"; railway fares to, 573; returns of space in, 453; sculpture in, 273; Serpentine and, 581; thoughts on, 317; universality of, 394; workmen and, 309,—see also "Workmen"; York banquet in honour of, 526.
Iodine Spa, Woodhall, 525.
Ireland, 89, 201, 316, 358, 375, 387, 403, 416, 424, 436, 437, 466, 473, 478, 488, 501, 512, 568, 569, 605.
Irish Amelioration Society, 466.
Iron: 346; and copper, 434; and glass for buildings, 544, 585; and steel, 310,—see also "Steel"; bar, price of, 68; beams, 151, 609, 352; bridge, failure of, 508, 428; cast, 453,—coating for, 221; change in structure of, 22, 213; coating, with glass, 286; columns, insufficient, 322; effect of on masonry, 64, 86; gales, 207; girders, 69; houses, 129; in railway structures, 476; in submarine foundations, 333; light-house, 93; manufacture, 393; ornaments, 218; permanent ways, 82; plates for roofs, 70; roof, 40, 130, 413; ships, shot on, 334; stairs, 293; stays to wooden walls, 70; trade, 21, 34, 476, 139, 163, 250, 321, 406, 442, 502, 562, 586, 610, 513; v. copper, steam boilers, 382; ware, glazing, 358; warehouses, 477; work, paint for, 7; works, 309, 178.
Ivory trade, 621.

JOINERS, Liverpool, Improvement Society of, 176, 249, 430.
Joinery, patent in, 93.
Jones, Inigo, memoir of, reviewed, 13.

KINGSTON: Jamaica, note from, 352; king's stone, 457.
Koeller-hall training school, 68.

LAMPS: lighting by electricity, 334; naphtha or camphine, 274,—danger of, 550.
Landlord and tenant, 91, 370.
Lead, effect of on water, 289.
Leather cutting, 528.
Lectures by Lord Carlisle, 598.
Leigh's Priory, Essex, 68.
Level, self-recording, 255.
Libraries and museums, free, 33, 93, 94, 502.
Light: for poor, 424; supply of, 446; and health taxes, 56, 161, 201, 211, 349, 550, 586,—see also "Health"; from water, see "Gas"; hydro-electric, 22.
Lighthouse, 93, 106, 333, 477, 562.
Lightning-conductors, want of, 269.
Lime: quick, mountain of, 338; stones, 237.
Liverpool, 32, 70, 106, 118, 154, 182, 189, 208, 225, 226, 218, 329, 345, 430, 452, 466, 501, 583, 584, 619.
Locks and keys, 166, 188.
Lodging-houses, new, at Glasgow, 478.
London: bridge, 413,—see also "Bridge"; drainage, 493; Evelyn on, 94; extent of, 610; in 1543, 3; in times past, 609; on 9th November—arts in city, 54,—see also "City Show"; signs, 325: see also "Metropolitan," &c.

MACHINE for lifting sacks, 550.
Mahogany, 617.
Manchester, 32, 44, 116, 178, 237, 380, 381, 397, 409, 425, 454, 477, 500, 526, 537.
Marble arch: unfortunate, 259, 281, 382, 442, 457, 490.
Markets, cattle, of Paris, 1, 28.
Marlborough house, 128, 153.
Masonry: in France, 448; effect of iron on, 64.
Masons: Provident Institution, 104, 260, 473; short time, 586.
Masters and men, 1: see also "Workmen".
Mechanics: Institution, Bury, 238,—Huddersfield, 598,—Ipswich, 128,—London, 441, 454, 586, 609.
Medal drawings, 75.
Medals, 85, 99, 622.
Medieval: and Arabic numerals, 77; architecture, 122, 147, 159, 164,—copyism and, 541, see also under "Architecture," "Chorches," "Copyism," &c.; brick buildings in Germany, 112.
Metals, cutting, 346.
Metropolis: growth of, 273; sanitary improvement of, 70.
Metropolitan: centre, 357; drainage, 65, 103, 129, 140, 152, 164, 189, 344, 393, 416, 464,—new law in, 500, 608; great cemetery, 104, 229, 394, 434; improvements, 31, 46, 121, 142, 152, 165, 213, 223, 281, 489,—Chancery-lane—see,—City, 562,—Farringdon-street, 442,—Pall-mall, 464, 560, see also "Pall-mall"; nuisances, 21, 34, 45, 82, 212; parks, 148, 177, 214, 224, 298,—see also "Parks"; sanitary association, 89, 211, 349, 406; sewers commission, see almost every weekly number,—also—accident at Scotland-yard sewer, 620,—new, expenditure of, 99,—plan of sewerage for London by, 308, 620,—sewer works, extensive, 538, 550, see also under "Sewers," "Sewage," &c.; sites, 58; 128; streets, 489, 514, 574, 585, 609; thoroughfares, crossing, 586, 597, 621, 622; tunneling, 283, 489; water, 44, 45, 69, 93, 129, 238, 272, 289, 331, 418, 560, 571,—see also "Water".
Mills: fall of, 368, 394, 453, 460; four, Thames-street, 573.
Model houses: see "Houses".
Models: 345; in drawing, 70.
Monastic Institution for women, Miss Sillon's, 225.
Monument: Barrow, 238; Bentinck, 43; Bolling, 461; Bunyan, 273; Cambridge, 394, 593; Jaffrey, 598; Nelson, 21, 86, 99, 169, 514; Rannymede, 166; Stephenson, 369, 428, 537; Sussex, 106; Titian, 610; Washington, 77, 93, 365; Wordsworth, 394.
Monumental: columns, 169; memorials in Terra Cotta, 234; slabs and crosses, 147.
Monuments: ancient, preservation of, 173, 189; columns as, 223; Egyptian, 345; medieval, 25; Peel, 118, 141, 334, 341, 358, 389, 442, 449, 478, 500, 598, 603, 610, 617; preservation of in France, 46; public in France, 70.
Mortar: for arches, 82; hydraulic, 381.
Mosaics and modelling, 250.
Mosque of St. Sophia, 471.
Motive power, cheap, in wind and water, 562.
Mouldings, on, 458.
Mausoleum of Hadrian, 111, 122, 135.
Mollin, Bilton Church, 243.
Munich: Basilica of St. Boniface, consecration of, 599; Ruhmeshalle and statue of Bavaria, 517.

NAIL trade, 226, 274, 298, 322.
National: buildings, 39; gallery, 128, 153, 190, 202, 250, 286, 353, 364,—Scottish, 176, 218, 406, 430, 433.
Nomenclature, architectural, 18, 45.
Norman fortress in England, 410.
Norway, state of art in, 126.
Notes in Provinces: see each weekly number.

OBITUARY: Mr. R. Abraham, 598, 602; Sir William Allan, R.A., 101; M. Pietro Bianchi, 58; M. Debret, 109; Mr. J. P. Deering, 130; Mr. C. Hummald, 594; Dr. Potta, 163; Mr. Ritchie, sculptor, 622; Mr. Smith, of Draxton, 286; Mr. James Thom, 250; Mr. Wyatt, of Rome, 284.
Omnia improvements, 538.
Opera House, Royal Italian, 141, 321, 370.
Operatives: see "Workmen".
Ornament and Shadow, 400; style in, 484, 517.
Ornamental: art, lectures on, 103, 149, 339; glazing, 394; trees, damaging, 262.
Ornamentation in Assyrian sculptures, 136.
Oven, new, 166.
Oxford, 297, 301; a ramble from, to Ilfey, &c., 325.

PAINT for ironwork, 7.
Painters: In Water Colours, new Society of, 194, 211, 322.
Painting on vellum, 69.
Paintings: Exeter Cathedral, 341; King of Holland's, sale of, 418; lecture at exhibition of, 93; mural, 94.

Palais, harmless, 490.
Palace, Buckingham, 209.
Palazzo Grimani, Venice, 18.
Palladio, 273.
Pall Mall and Parks, 281, 540, 566, 584: see also "Metropolitan".
Panopticon of Science and Art, 150.
Panoramas, 80, 176, 212, 356, 465.
Paper-hangings, first use of, 490.
Paris, 1, 28, 38, 40, 50, 70, 76, 94, 110, 159, 178, 188, 194, 232, 273, 379, 415, 514.
Park: Battersea, 285, 367, 526, 586; Hyde, 380; St. James's, 453, 505, 550.
Parks: the, 442, 484; encroachments on, 441: see also "Metropolitan," "Pall Mall," &c.
Patent law ref. in question, 58, 151, 166, 188, 214, 248, 441, 465, 478, 507, 532, 536, 557, 598: see also "International Exhibition".
Paving: Euston, 118, 496; street, 524.
Peel testimonials, see under "Monuments" and "Statues".
Perspective, 4, 40, 58, 116, 313.
Piers, landing, 33.
Pimlico, derivation of name of, 274.
Pipes: earthenware, 9, see also "Earthenware"; glass, 574; passage of water through, 441, 452, 460, 512; vitreous, 550.
Planning: machine, 194; rule, 141.
Plaster of Paris, 196.
Plasterers, retrogradation of, 442.
Pointed, Pagan, 58.
Polychromatic decoration, 595.
Pompeii, 550.
Poor: houses for: see "Houses"; rates, 68.
Portland Gallery, Regent-street, 184.
Pottery and porcelain, 399, 621.
Prince Albert on sewage measure, 220.
Printing machines, 130, 178, 249.
Printwork, Manchester, 409.
Prison, new, for Surrey, 185.
Progress, intellectual, 10.
Promenades in Paris, 110.
Property: houses of, 501; teners of, 451; value of, 349, 429.
Provincial news: see each weekly number.
Public: buildings, 52, 105, 152; works, 39, 86, 105, 487, 481.
Pulpits, sounding-boards of, 477.

QUARRIES, 311, 465

RAILWAY: aerostatic, 466; arches, 452; bridge, at Tooley-street, 508, 524, 553, 574, 598; bridge, Britannia and tubular, 32, 76, 105, 118, 123, 129, 245; bridge, Wye, 428; carriage windows, sheet air, 356; comforts, 464; dispatch-tube, 369; excursions, cheap, recommended, 437, 451, 464; fares, cheap, recommended, 130,—reduction of, 508; hotel, 106; iron permanent ways, 42, 238, 610; jottings: see each weekly number; locomotive, boiler explosion, 94, 221; locomotive, life-of, 154,—light, England's, 418, 431,—live, 345; parcels and carriers question, 517; passengers, 389; rails, 185; rating, 22, 249, 418; report, 405; roofs, 52, 78, 87, 100, 118, 158, 232, see also "Roof"; shares, 94; Spouting passenger line of, 200; stations, 284,—Bricklayer's Arms, roof fallen, 401, 411, 442,—milk markets at, 388; statistics, 19, 70, 185, 388, 437, 451, 508, 521; strikes, 617; structures, iron in, 476; system, 17; traffic, 3; transit, movement of goods in, 53, 309, 549; tunnels, 46, 124, 610,—seven miles through Alps, 166, 189, 231; viaducts, 46, 94, 113, 153, 260, 236, 428, 547; villages, 449.
Railways: and roads in hilly countries, 597; helical lift for, 185.
Rating: in Regent-street, 442, small townments, 430.
Recipe: to destroy ants, 88, 334; coating for cast iron, 221,—with glass, 286; against damp, 358; hardening metal, 237; oak fencing, preservation of, 188; paint for ironwork, 7; for slippery rails, 185; stains on marble, 585; for stereotyping cheaply, 178; to render brick or stone impervious to wet, 478, 490.
Renaissance, 103.
Reproductive employment of paupers, 250.
Restoration, what is: 447; see also "Church".
Review of books, engravings, &c.: Ansted's Geology, 236; Architectural Society's publication, 181, 313; Barlow on Iron Permanent Ways, 82; Boardmore on new Street and Aqueduct Sewer through London, 489; Board of Health Report, 465; Bolton on Drawing, 313; Boutell's Christian Monuments, 25; Bourne on Steam Engine, 249; Bowman's Middle Age Churches, 25; Bradshaw's Railways, 34; Britton's Autobiography, 373; Building Societies' Directory, 92; Bean's Fine Art Almanack, &c., 620; Cavalier's Architectural Illustrations, 465; Chambers's Papers for People, 165; Chubb on Locks and Keys, 525; Clarke's Britannia and Conway Tubular Bridges, 433; Clarke on Gloucester, 345; Clay on London Water Supply, 69; Cliffe's North Wales, 213; Colling on Gothic Details, 499; Council on